

Patent Abstracts of Japan

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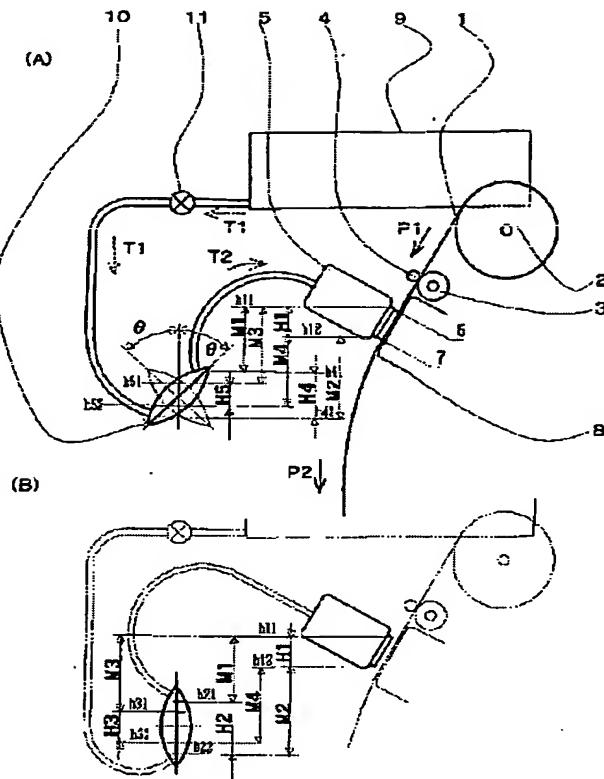
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TITLE : INK-JET PRINTER



ABSTRACT : PROBLEM TO BE SOLVED: To restrain the influence of the back pressure difference of the large number of the mounted and arranged nozzles to a small degree in a mechanism while using a combination of a method of providing an ink intermediate tank for stabilizing the back pressure by storing a certain amount of an ink in a printer of a system with a paper conveying path inclined, and a head having a large number of arranged nozzles.

SOLUTION: The head pressure difference H_4 of an ink intermediate tank is provided substantially equal to the sum of the back pressure minimum value M_1 necessary for producing and sustaining a meniscus in a nozzle, and an ink intermediate tank upper part supply opening ink head pressure h_{41} , and it is set slightly larger than the nozzle back pressure difference H_1 .

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